

# PATENT SPECIFICATION

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## COMPLETE SPECIFICATION

### An improved Rear View Mirror and Interior Lamp for Vehicles

I, DENIS JAMES BATTERSBY, a British Subject, of "Tylers," Berry Barn Lane, West Wittering, Sussex, do hereby declare the invention, for which I pray that a patent may be granted to me, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention relates to an improved rear view mirror and interior lamp for saloon cars and like vehicles.

It is usual practice to provide a car with an inside rear view mirror which is located at or adjacent to the upper part of the wind-screen and also with an interior lamp which is usually mounted on the roof at an appropriate point.

It has been proposed to combine a lamp housing with the head or casing of a mirror in a single unit but this introduces difficulty in carrying the necessary wiring to the lamp.

According to my invention a rear view mirror is adjustably mounted on one end of an arm of which the other end is secured to or integral with a mounting plate or bracket adapted to be secured by screws or like fastening means to a convenient part of a vehicle body, and an interior lamp is formed with a base which is recessed or cut away to receive and fit over the mirror mounting plate or bracket and to be secured in position by the screws or like fastening means.

This produces a very neat and compact assembly which is easy to fit, and the wiring for the lamp has only to be brought into the base of the lamp and not to the mirror head so that the wiring can be effectively concealed.

A combined interior mirror and light unit in accordance with my invention is illustrated by way of example in the accompanying drawings in which:—

Figure 1 is a front elevation of the complete unit.

Figure 2 is a side elevation of the complete unit.

Figure 3 is a front elevation on a larger scale of the light with the cover removed.

Figure 4 is a vertical section on the line 4—4 of Figure 3.

[Price 3s. 6d.]

Figure 5 is a vertical section on the line 5—5 of Figure 3.

Figure 6 is a vertical section on the line 6—6 of Figure 3.

Figure 7 is a fragmentary horizontal section on the line 7—7 of Figure 3.

Figure 8 is a fragmentary transverse section on the line 8—8 of Figure 4.

In the construction illustrated 10 is an interior rear-view mirror for a vehicle. It is mounted by means of an adjustable ball joint 11 on the lower end of an arm 12 which at its upper end has a mounting plate or bracket 13 of rectangular outline which is pierced with spaced holes 14 to receive screws for securing it to a convenient part of a vehicle body. Preferably the arm 12 and the plate or bracket 13 are formed in one piece as a die-casting.

The base or housing 15 for the lamp is a moulded plastic frame of the outline shown in Figures 1 and 2. The base is recessed at the back, as shown best in Figures 4 and 5, to receive and fit over the mounting plate 13 and is cut away or gapped at 16 for the passage of the arm 12 carrying the mirror. Holes in the recessed back part of the base register with the holes 14 to receive screws 17 or like fastening means which secure the mirror and lamp simultaneously to the vehicle body. Rearwardly projecting collars or flanges 18 around the holes in the base seat against the surface of the mounting plate around the holes 14 to locate the base.

A lamp 19 of the festoon type is mounted within the base in fittings 20 and 21. The fitting 20 is secured in position by a metal eyelet 22 mounted in the base and provided with a socket 22a to receive a live lead which can be brought in through an opening in the back of the base so that it is completely concealed from view. The fitting 21 is mounted on the base by another eyelet 21a and has an integral socket portion 23 which may be used to connect a separate "courtesy" switch in parallel with the switch embodied in the lamp. A metal strip 24 secured under and earthed by one of the screws 17, and an ex-

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tension 25 of the fitting 21 are carried upwardly and cranked to lie against the inner surface of the upper wall of the base and are adapted to be connected electrically by a switch comprising a resilient contact strip 26 mounted on the inner end of a member 27 which is slidably guided in a slot 28 in the wall and has a serrated finger-piece 29 sliding in a recess in the outer surface of the wall.

One end of the contact strip is always in sliding contact with the earthed strip 24, and in the "off" position of the switch as shown in Figure 8 the other end of the strip is spaced from the extension 25 by a raised portion 30 of the wall over which the end of the strip snaps in passing from the "on" to the "off" position.

The lamp is completed by a moulded cover 31 of transparent or translucent plastic which is retained in position by an outwardly projecting flange 32 on the cover engaging behind an inwardly projecting flange 33 on the front of the base.

#### WHAT I CLAIM IS:—

1. A combined rear-view mirror and interior lamp for saloon cars and like vehicles in which the mirror is adjustably mounted on

one end of an arm of which the other end is secured to or is integral with a mounting plate or bracket adapted to be secured by screws or like fastening means to a convenient part of a vehicle body, and the interior lamp is formed with a base which is recessed or cut away to receive and fit over the mirror mounting plate or bracket and to be secured in position by the screws or like fastening means.

2. A combined rear-view mirror and interior light as claimed in Claim 1 in which the arm carrying the mirror and the mounting plate or bracket for the arm are formed in one piece as a die-casting.

3. A combined rear-view mirror and interior lamp as claimed in Claim 1 or Claim 2 in which the interior lamp incorporates a switch and wiring is brought in through an opening in the base which is concealed when the lamp is in position.

4. A combined rear-view mirror and interior lamp substantially as described with reference to the accompanying drawings.

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### PROVISIONAL SPECIFICATION

#### An improved Rear View Mirror and Interior Lamp for Vehicles

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It is usual practice to provide a car with an inside rear view mirror which is located at or adjacent to the upper part of the windscreen and also with an interior light which is usually mounted on the roof at an appropriate point.

It has been proposed to combine a lamp housing with the head or casing of a mirror in a single unit but this introduces difficulty in carrying the necessary wiring to the lamp.

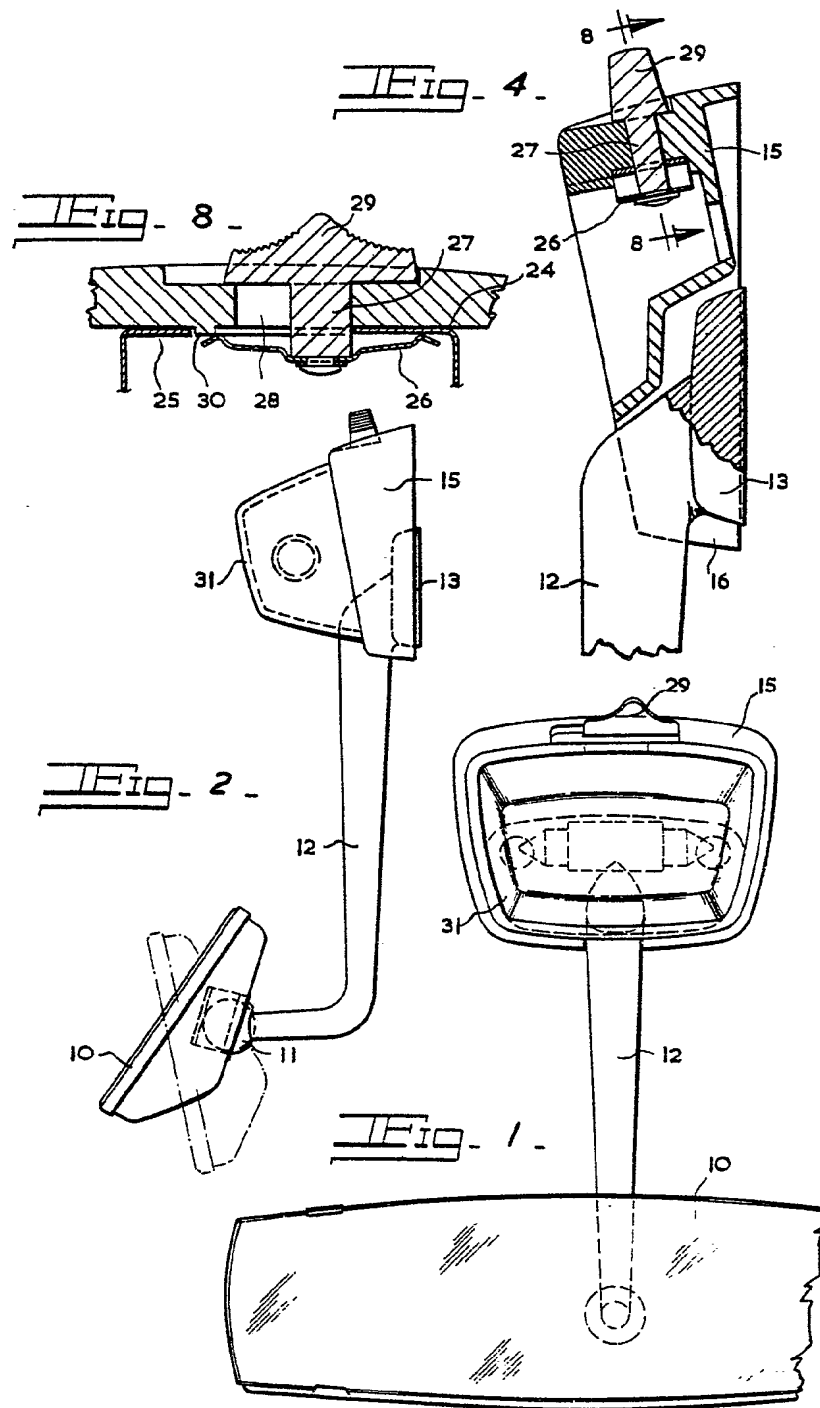
According to my invention a rear view mirror is adjustably mounted on one end of an arm of which the other end is secured to or integral with a mounting plate or bracket adapted to be secured by screws or like fastening means to the roof or other convenient part of a vehicle body, and an interior light is formed with a base which is recessed or cut away to receive and fit over the mirror mounting plate or bracket and to be secured in position by the same screws or like fastening means.

This produces a very neat and compact assembly which is easy to fit, and the wiring for the lamp has only to be brought into the base of the lamp and not to the mirror head so that the wiring can be effectively concealed.

In one convenient practical construction the arm which carries the mirror is integral with a mounting plate which is of substantially rectangular outline and is pierced with spaced holes for fixing screws. The base or housing for the lamp, which may conveniently be formed as a die-casting, is recessed at the back to receive the mounting plate and is cut away or gapped at its lower edge for the passage of the arm carrying the mirror. Holes in the base register with the screw holes in the mounting plate for the mirror and screws passing through these holes secure the mirror and the lamp simultaneously to the vehicle roof or other part of the body.

A switch may be provided on the base for the lamp and the wiring can be brought in from the back through an opening which is completely concealed. The lamp is provided with the usual cover which can be moulded in transparent or translucent plastic.

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810,010 COMPLETE SPECIFICATION  
2 SHEETS

This drawing is a reproduction of  
the Original on a reduced scale.  
SHEETS 1 & 2

